<table>
<thead>
<tr>
<th>Time</th>
<th>Seafights Auditorium A</th>
<th>Members Auditorium</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Registration &amp; Welcome</td>
<td></td>
</tr>
<tr>
<td>9:00</td>
<td>Plenary - Open Ceremony - Welcome Presentations</td>
<td></td>
</tr>
<tr>
<td>9:00</td>
<td>Vasiliki Galiotou</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ASHRAE Hellenic Chapter President</td>
<td></td>
</tr>
<tr>
<td>9:00</td>
<td>Thomas Phoenix</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ASHRAE President</td>
<td></td>
</tr>
<tr>
<td>9:00</td>
<td>Admiral Evangelos Apostolakis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chief of the Hellenic Navy General Staff</td>
<td></td>
</tr>
<tr>
<td>9:00</td>
<td>Dimitris A. Charalambopoulos</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conference General Chair</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Topic to be confirmed</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Thomas H. Phoenix</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ASHRAE President</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Topic to be confirmed</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Admiral Georgios Christopoulos</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Inspector, Hellenic Navy General Staff</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Topic to be confirmed</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Theodoros Papadopoulos</td>
<td></td>
</tr>
<tr>
<td></td>
<td>President, Association of Mechanical &amp; Electrical Engineers</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Navy Shore Energy Efficiency - Saving Opportunities &amp; Security</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Dr. Costas A. Balaras</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Research Director GREC, Institute for Environmental Research &amp; Sustainable Development, National Observatory of Athens</td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>COFFEE BREAK</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Topic to be confirmed</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Christos Spirtzis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Past President, Technical Chamber of Greece (TEE)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Alternate Minister for Infrastructure, Transport &amp; Networks</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Energy Efficiency of Ships: Its Impact on Environment and Ship Safety</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Prof. Dr. Apostolos D. Papanikolaou</td>
<td></td>
</tr>
<tr>
<td></td>
<td>School of Naval Architecture &amp; Marine Engineering, National Technical University of Athens</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Topic to be confirmed</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>The Montreal Protocol on ozone depleting substances: Policy and Compliance Obligations</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Artie Dubrie</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNEP Network Coordinator for Pacific Islands Countries: Montreal Protocol Compliance Assistance Programme</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>Topic to be confirmed</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>New Marine Postgraduate Courses - A Holistic Approach, Flexible and based on the Onsite and the Relevant Industrial Experience</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>Prof. Dr. Elias Yantis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Naval Architecture &amp; Marine Engineering, Hellenic Naval Academy</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>Refrigerants and ASHRAE Flammability Classification-Transport Sector</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>Prof. Dr. Walid Chakroun</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mechanical Engineering Department, University of Kuwait</td>
<td></td>
</tr>
<tr>
<td>13:00</td>
<td>LUNCH BREAK</td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>Building Interventions to Improve the Energy Performance of Existing Buildings</td>
<td></td>
</tr>
<tr>
<td>14:30</td>
<td>Prof. Dr. Dimitris Aravantinos</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Civil Engineering Department, Aristotle University of Thessaloniki</td>
<td></td>
</tr>
<tr>
<td>14:30</td>
<td>Sustainability for Shipping? The Need for Life Cycle Thinking</td>
<td></td>
</tr>
<tr>
<td>14:30</td>
<td>Prof. Dr. Nikolaos Ventikos</td>
<td></td>
</tr>
<tr>
<td></td>
<td>School of Naval Architecture &amp; Marine Engineering, National Technical University of Athens</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Maritime Security and non Verbal Behaviour</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Stelios Kiosses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Psychologist and Human Factor Specialist</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Engineering and Ethics</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Prof. Dr. Maria Venieri</td>
<td></td>
</tr>
<tr>
<td></td>
<td>School of Philosophy &amp; Social Studies,University of Crete</td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>COFFEE BREAK</td>
<td></td>
</tr>
<tr>
<td>16:30</td>
<td>Knowledge-Based Greening for a New Generation of Processes, Products and Systems: Utopia or Revolution?</td>
<td></td>
</tr>
<tr>
<td>16:30</td>
<td>Prof. Dr. Emmanuel Koukios</td>
<td></td>
</tr>
<tr>
<td></td>
<td>School of Chemical Engineering, National Technical University of Athens</td>
<td></td>
</tr>
<tr>
<td>17:15</td>
<td>COFFEE BREAK</td>
<td></td>
</tr>
<tr>
<td>18:00</td>
<td>ROUND TABLE – OPEN DISCUSSION</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dimitris A. Charalambopoulos, Chair</td>
<td></td>
</tr>
<tr>
<td>20:00</td>
<td>AWARDS CEREMONY – DINNER AT THE YACHT CLUB</td>
<td></td>
</tr>
</tbody>
</table>
### Trophies Auditorium

**8:00**  
Registration & Welcome  

**9:00**  
Plenary

#### Speaker Details

**Admiral Georgios CHRISTOPOULOS**  
Hellenic Navy  

**Vasileios PARASKEVOPOULOS**  
ASHRAE Hellenic Chapter President-Elect

#### Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Plenary</td>
</tr>
</tbody>
</table>
| 9:30  | Topic to be confirmed  
Tom Phoenix  
ASHRAE President  

UK Naval Ships HVAC - Maintenance of Legacy Systems  
Y. Abbass  
R. Stewart  
N. Blower  
1HVACR Design Engineer in the Analytical Engineering Group, Babcock Marine & Technology at Devonport Royal Dockyard, United Kingdom  
2Has thirty years of HVACR experience maintaining operational Royal Naval vessels and eight years as a Technical Lead for Devonport Royal Dockyard  

UK Naval Ships HVAC - Maintenance of Legacy Systems  
Y. Abbass  
R. Stewart  
N. Blower  
1HVACR Design Engineer in the Analytical Engineering Group, Babcock Marine & Technology at Devonport Royal Dockyard, United Kingdom  
2Has thirty years of HVACR experience maintaining operational Royal Naval vessels and eight years as a Technical Lead for Devonport Royal Dockyard  

Current and Future Trends in Marine Antifouling Coatings and the Study of Energy Efficiency Benefits for a Naval Fleet  
Alexandros Michelis  
George Gougoulidis  
1Quality Control Department head at the Souda Naval Base, Souda, Chania, 2Member of the Navy Permanent Committee Quality Assurance at the Navy's Detachment at Elefsis Shipyards, Elefsis, Attica

#### Workshop 1

**10:00**  
Energy Security in the Build Environment  
Dimitrios Koupatsiaris  
1Commander (Engineer), Hellenic Navy

Life Extension of Legacy Turbines for Naval Propulsion  
Graeme Martin  
Global Business Manager  
ALBA Power

Novel Organic Rankine Cycle Working Fluids for Improved Ship Fuel Efficiency: DR-2 (HFO- 1336mzz(Z)) and DR-40A  
Konstantinos (Kostas) Kondoraris  
1Global technology leader for heating and power generation working fluids in the R&D department of DuPont Fluorochemicals, Wilmington, Delaware (USA)

#### Workshop 2

**11:00**  
Conversion of Ferry to Hospital-SHIP: An Architectural Approach  
Andreas Tsokos - Pappas  
Stavros Gifftopoulos  
Thomas Mazarakos  
1Architecture, Dipl. Arch. Eng., School of Architecture, NTUA  
2Architect and Assistant Professor at National Technical University of Athens, School of Architecture, 3Naval Architect, Marine Engineer and Adjunct Assistant Professor at the Dpt. of Naval Architecture, Technological Educational Institute of Athens

Power Plant-Related Measures for Improving Energy Efficiency in Ships  
G. Gougoulidis  
F. Karagiannopoulos  
O. Fakou  
1Marine Engineer Officer and Naval Architect, Hellenic Navy

Self-healing cerium molybdate and copper oxide nanomaterials for protection of metal alloys for marine applications  
E.K. Karaxi  
I.A. Kartsonakis  
E.P. Kounoulous  
C.A. Charitidis  
1Chemical engineer Dpt. of Chemical Engineering  
2Post-Doc candidate  
3Assistant professor, Dpt. of Chemical Engineering  
4Post-doctoral researcher, Dpt. of Chemical Engineering NTUA

#### Workshop 3

**11:30**  
Initiative Low Cost Methods and Applications to Increase Security and Safety Level in Merchant Ships Against Asymmetric Threats  
Commodore Georgios Bamplenis  
H.N. Deputy Commander, National Defence Academy

Conversion of Ferry to Hospital-SHIP: An Architectural Approach  
Andreas Tsokos - Pappas  
Stavros Gifftopoulos  
Thomas Mazarakos  
1Architecture, Dipl. Arch. Eng., School of Architecture, NTUA  
2Architect and Assistant Professor at National Technical University of Athens, School of Architecture, 3Naval Architect, Marine Engineer and Adjunct Assistant Professor at the Dpt. of Naval Architecture, Technological Educational Institute of Athens

Novel Organic Rankine Cycle Working Fluids for Improved Ship Fuel Efficiency: DR-2 (HFO- 1336mzz(Z)) and DR-40A  
Konstantinos (Kostas) Kondoraris  
1Global technology leader for heating and power generation working fluids in the R&D department of DuPont Fluorochemicals, Wilmington, Delaware (USA)

#### Workshop 4

**12:00**  
Self-healing cerium molybdate and copper oxide nanomaterials for protection of metal alloys for marine applications  
E.K. Karaxi  
I.A. Kartsonakis  
E.P. Kounoulous  
C.A. Charitidis  
1Chemical engineer Dpt. of Chemical Engineering  
2Post-Doc candidate  
3Assistant professor, Dpt. of Chemical Engineering  
4Post-doctoral researcher, Dpt. of Chemical Engineering NTUA

**12:30**  
From Asymmetric Threats to Hybrid Operations  
Prof. Dr. Konstantinos Grivas  
Hellenic Military Academy, Department of Turkish Studies and Modern Asian Studies, University of Athens, National Defence College. National Security Academy

Evaluation of Thermoelectric Generators for Waste Heat Recovery in Ships  
D. Kossyvakis  
C. Vossou  
E. Hristoforou  
1PhD candidate, School of Mining and Metallurgy Engineering, NTUA  
2Professor, School of Mining and Metallurgy Engineering, NTUA

**13:00**  
LUNCH BREAK

#### Conference Break

**13:30**  
Workshop 1  
(continued)  
Commander Spiridon Kinzios  
H.N.

**14:00**  
(continued)  
From Asymmetric Threats to Hybrid Operations  
Prof. Dr. Konstantinos Grivas  
Hellenic Military Academy, Department of Turkish Studies and Modern Asian Studies, University of Athens, National Defence College. National Security Academy

**14:30**  
Workshop 2  
(continued)  
Designing for the new challenges  
Aikis Triantafyllopoulos  
Mechanical Engineer

**15:00**  
Workshop 3  
(continued)  
Theoretical Investigation of an Optimized Turbo Compound System applied on a Marine 2-Stroke Diesel Engine  
Nikolaos F. Sakellariadis  
Ethiomics G. Pariotis  
Dimitrios T. Hountalas  
1PhD student, Dpt. of Mechanical Engineering, NTUA  
2Assistant Professor, Hellenic Naval Academy  
3Professor, Dpt. of Mechanical Engineering, NTUA

**15:30**  
Workshop 4  
(continued)  
Human Error and Marine Safety  
Stelios Kiosses  
Psychologist and Human Factor Specialist

**16:00**  
(continued)  
Theoretical Investigation of an Optimized Turbo Compound System applied on a Marine 2-Stroke Diesel Engine  
Nikolaos F. Sakellariadis  
Ethiomics G. Pariotis  
Dimitrios T. Hountalas  
1PhD student, Dpt. of Mechanical Engineering, NTUA  
2Assistant Professor, Hellenic Naval Academy  
3Professor, Dpt. of Mechanical Engineering, NTUA

**16:30**  
Workshop 1  
(continued)  
From Asymmetric Threats to Hybrid Operations  
Prof. Dr. Konstantinos Grivas  
Hellenic Military Academy, Department of Turkish Studies and Modern Asian Studies, University of Athens, National Defence College. National Security Academy

**17:00**  
Workshop 2  
(continued)  
Designing for the new challenges  
Aikis Triantafyllopoulos  
Mechanical Engineer

**17:30**  
Workshop 3  
(continued)  
Theoretical Investigation of an Optimized Turbo Compound System applied on a Marine 2-Stroke Diesel Engine  
Nikolaos F. Sakellariadis  
Ethiomics G. Pariotis  
Dimitrios T. Hountalas  
1PhD student, Dpt. of Mechanical Engineering, NTUA  
2Assistant Professor, Hellenic Naval Academy  
3Professor, Dpt. of Mechanical Engineering, NTUA

**18:00**  
Workshop 4  
(continued)  
Human Error and Marine Safety  
Stelios Kiosses  
Psychologist and Human Factor Specialist

**18:30**  
Workshop 1  
(continued)  
From Asymmetric Threats to Hybrid Operations  
Prof. Dr. Konstantinos Grivas  
Hellenic Military Academy, Department of Turkish Studies and Modern Asian Studies, University of Athens, National Defence College. National Security Academy

**19:00**  
Workshop 2  
(continued)  
Designing for the new challenges  
Aikis Triantafyllopoulos  
Mechanical Engineer

**19:30**  
Workshop 3  
(continued)  
Theoretical Investigation of an Optimized Turbo Compound System applied on a Marine 2-Stroke Diesel Engine  
Nikolaos F. Sakellariadis  
Ethiomics G. Pariotis  
Dimitrios T. Hountalas  
1PhD student, Dpt. of Mechanical Engineering, NTUA  
2Assistant Professor, Hellenic Naval Academy  
3Professor, Dpt. of Mechanical Engineering, NTUA

**20:00**  
Workshop 4  
(continued)  
Human Error and Marine Safety  
Stelios Kiosses  
Psychologist and Human Factor Specialist
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:00</td>
<td>Design of Compact cabins for better air quality</td>
</tr>
<tr>
<td></td>
<td>A. A. All, N. A. Nasr, A.F. Elafty</td>
</tr>
<tr>
<td></td>
<td>1 Senior Lecturer, 2 Assistant Dean Upgrading Studies Institute - Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt, Dean of the College of Engineering - American University of the Middle East, Ahmady, Kuwait</td>
</tr>
<tr>
<td></td>
<td>Application of Photovoltaics on Ship Electrical Power Systems: Utopia or Reality?</td>
</tr>
<tr>
<td></td>
<td>G. Mpalagiannis, G. Tsamopoulos, C. Kalogrias, G.J. Tsouras, F.D. Kanellos</td>
</tr>
<tr>
<td></td>
<td>1 Lieutenant Commander (Eng), Hellenic Navy, Fire Fighting Training Unit Director, Skaramangas Naval Fortress, Greece, 2 Lieutenant Commander (Eng), Hellenic Navy, Electrical and Electronic Repair Department Deputy Director, Salamina Naval Base, Greece, 3 Commander (Eng), Hellenic Navy, Electrical and Electronic Repair Department Director, Salamina Naval Base, Greece, 4 Assistant Professor of Ship Electric Power Systems, Hellenic Naval Academy, 5 Lecturer, School of Production Engineering and Management, Technical University of Crete, Chania, Greece</td>
</tr>
<tr>
<td></td>
<td>Commissioning, Operations &amp; Maintenance: Ensuring the Energy Efficiency of the Built Environment (continued)</td>
</tr>
<tr>
<td></td>
<td>Vasileios Paraskevopoulos, Mechanical Engineer, Commissioning Management Consultants</td>
</tr>
<tr>
<td>15:30</td>
<td>Experience with Gas Turbines Diagnostic Methods, Application and Integration to Health Monitoring Tools</td>
</tr>
<tr>
<td></td>
<td>Roumeliotis, Aretakis, Alexiou, Romenis, Tsalavoutas, Stamatis, Mathioudakis</td>
</tr>
<tr>
<td></td>
<td>1 Assistant Professor, Hellenic Naval Academy, 2 Assistant Professor, Dpt. of Mechanical Engineering, NTUA, 3 Senior Researcher in the Lab of Thermal Turbomachines NTUA, 4 Senior Researcher in the Lab of Thermal Turbomachines NTUA, 5 Associate Professor, Dpt. of Mechanical Engineering, University of Thessaly, Volos, Greece, 6 Professor, Dpt of Mechanical Engineering, NTUA</td>
</tr>
<tr>
<td></td>
<td>Sustainable Maritime Transport with LNG between Greek Mainland and Islands in the Archipelagos (ARCHIPELAGO-LNG) in the field of the trans-European network (TEN-T)</td>
</tr>
<tr>
<td></td>
<td>Konstantinos Sfetsios, Antonios Gypakis, Panagiota Grammeli, Adamis Mitsotakis</td>
</tr>
<tr>
<td></td>
<td>1 Research Associate in the Centre of Research and Technology Hellas, 2 Senior Scientific officer of General Secretariat for Research and Technology, Athens, Greece, 3 Researcher in the Centre for Research and Technology Hellas, 4 Research Associate in the Centre of Research and Technology Hellas</td>
</tr>
<tr>
<td></td>
<td>Commissioning, Operations &amp; Maintenance: Ensuring the Energy Efficiency of the Built Environment (continued)</td>
</tr>
<tr>
<td></td>
<td>Vasileios Paraskevopoulos, Mechanical Engineer, Commissioning Management Consultants</td>
</tr>
<tr>
<td>16:00</td>
<td>Optimal Economic Operation of a Complex Electric Power System with Shaft Generators</td>
</tr>
<tr>
<td></td>
<td>P. Michalopoulos, G. J. Tsouras, F.D. Kanellos, J. M. Prousalis</td>
</tr>
<tr>
<td></td>
<td>1 Commander (Eng), Hellenic Navy and PhD candidate in the School of Naval Architecture and Marine Engineering, NTUA, 2 Assistant Professor of Ship Electric Power Systems, Hellenic Naval Academy, 3 Lecturer of Electric Circuits, School of Production Engineering and Management, Technical University of Crete, 4 Associate Professor, School of Naval Architecture and Marine Engineering NTUA</td>
</tr>
<tr>
<td></td>
<td>Investigating the applicability of Building Energy Simulation as an Energy Modelling Tool in ships</td>
</tr>
<tr>
<td></td>
<td>Dimitrios Stfakianakis, Dracos Vassalos, Gerasimos Theolakatos</td>
</tr>
<tr>
<td></td>
<td>1 Research assistant, Dpt of NAOME of the University of Strathclyde, Glasgow, UK, 2 Professor of Maritime Safety Dpt of NAOME of the University of Strathclyde, 3 Senior lecturer, Dpt of NAOME of the University of Strathclyde, Glasgow, UK</td>
</tr>
<tr>
<td></td>
<td>Marine Diesel Engines Online Monitoring &amp; Diagnostic Systems (continued)</td>
</tr>
<tr>
<td></td>
<td>Prof. Dr. Elias Yfantis, Naval Architecture &amp; Marine Engineering, Hellenic Naval Academy</td>
</tr>
<tr>
<td>16:30</td>
<td>Miller Cycle Application in Marine Diesel Engines for NOx Reduction: A Review</td>
</tr>
<tr>
<td></td>
<td>Elias Yfantis, Theodoros Zannis, Ioannis Katzanis, Rousos Papagiannakis, Petros Sirtoglou, Athanasios Lamprou, Professor, Hellenic Naval Academy, Assistant Professor, Hellenic Naval Academy, 2 Lecturer, Hellenic Naval Academy, 3 Associate Professor, Hellenic Air Force Academy, 4 Lieutenant Jr Grade Engineer in Hellenic Navy, 5 Lieutenant Jr Grade in Hellenic Navy</td>
</tr>
<tr>
<td></td>
<td>CFD as a Tool for Thermal Comfort Assessment</td>
</tr>
<tr>
<td></td>
<td>Koubougiani Dimitrios, Tsimeroudis Georgios, Karvelas Evangelos</td>
</tr>
<tr>
<td></td>
<td>1 Assistant professor, Dpt of Energy Technology Engineering, TEI Athens, Greece, 2 Undergraduate student, Dpt of Energy Technology Engineering, TEI Athens, Greece, 3 Postgraduate student, Dpt of Energy Technology Engineering, TEI Athens, Greece</td>
</tr>
<tr>
<td></td>
<td>Marine Diesel Engines Online Monitoring &amp; Diagnostic Systems (continued)</td>
</tr>
<tr>
<td></td>
<td>Prof. Dr. Elias Yfantis, Naval Architecture &amp; Marine Engineering, Hellenic Naval Academy</td>
</tr>
<tr>
<td>17:00</td>
<td>A Novel Method for Water Thermolysis and CO2 Transformation to Hydrocarbons</td>
</tr>
<tr>
<td></td>
<td>N. D. Papadopoulos, E. V. Hristoforou</td>
</tr>
<tr>
<td></td>
<td>1 Holds a Ph.D. and a D.Eng. Degree in Metallurgy Engineering and an M.Eng. Degree in Materials Science, 2 Professor, School of Mining and Metallurgy Engineering, NTUA</td>
</tr>
<tr>
<td></td>
<td>Workshop 3: Energy Simulation as an Energy Modelling Tool in ships</td>
</tr>
<tr>
<td></td>
<td>Konstantinos Sfetsios, Antonios Gypakis, Panagiota Grammeli, Adamis Mitsotakis</td>
</tr>
<tr>
<td></td>
<td>1 Research Associate in the Centre of Research and Technology Hellas, 2 Senior Scientific officer of General Secretariat for Research and Technology, Athens, Greece, 3 Researcher in the Centre for Research and Technology Hellas, 4 Research Associate in the Centre of Research and Technology Hellas</td>
</tr>
<tr>
<td></td>
<td>Workshop 3: Energy Simulation as an Energy Modelling Tool in ships</td>
</tr>
<tr>
<td></td>
<td>Dimitrios Stfakianakis, Dracos Vassalos, Gerasimos Theolakatos</td>
</tr>
<tr>
<td></td>
<td>1 Research assistant, Dpt of NAOME of the University of Strathclyde, Glasgow, UK, 2 Professor of Maritime Safety Dpt of NAOME of the University of Strathclyde, 3 Senior lecturer, Dpt of NAOME of the University of Strathclyde, Glasgow, UK</td>
</tr>
<tr>
<td></td>
<td>Workshop 3: Energy Simulation as an Energy Modelling Tool in ships</td>
</tr>
<tr>
<td></td>
<td>Marine Diesel Engines Online Monitoring &amp; Diagnostic Systems (continued)</td>
</tr>
<tr>
<td></td>
<td>Prof. Dr. Elias Yfantis, Naval Architecture &amp; Marine Engineering, Hellenic Naval Academy</td>
</tr>
<tr>
<td>18:00</td>
<td>COFFEE BREAK</td>
</tr>
<tr>
<td>18:30</td>
<td>DINNER &amp; SOCIAL EVENT</td>
</tr>
<tr>
<td>20:00</td>
<td></td>
</tr>
</tbody>
</table>
**Sunday, May 24, 2015 – Hellenic Naval Academy**
145 Hadjikyriakou Avenue, Piraeus

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic and Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Design Laboratory</td>
<td>Registration &amp; Welcome</td>
</tr>
</tbody>
</table>
| 9:00 | Plenary | Admiral Athanasios NASOPOULOS, Hellenic Navy  
Dr. Ioanna Deligkiozi, ASHRAE Hellenic Chapter Secretary |

**10:00 - 11:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic and Speakers</th>
</tr>
</thead>
</table>
| 10:00 | Trophies Auditorium | Crisis Communication Plan – A luxury or a necessity? The importance of protecting the reputation of a company in an environmental crisis  
Katerina G. Skourtanioti, Georgios V. Lykos  
Nikolaos P. Ventikos |
| 10:30 | Laboratory of Naval Technology | Capital Budgeting Techniques in Energy Systems - Appliance In Marine Industry  
Athanasios Lampropoulou, Elias Yfantis, Ioannis Katsanis, Theodoros Zannis, Petros Sirtoglu  
Lieutenant Jr Grade in Hellenic Navy, Professor in Hellenic Naval Academy, Lecturer in Hellenic Naval Academy, Assistant Professor in Hellenic Naval Academy, Lieutenant Jr Grade Engineer in Hellenic Navy |
| 11:00 | Design Laboratory | Life Cycle Assessment as a Prerequisite Tool in Marine Industry  
N. Vlachou, A. Trompeta, H. Sarimveis, C.A. Charitidis  
Chemical engineer that serves at the Master Program of Materials Science and Engineering, in the School of Chemical Engineering, Chemical engineer and serves at the Master Program of Materials Science and Engineering, in the School of Chemical Engineering, Associate professor in the Department of Chemical Engineering, NTUA, Professor in the Department of Chemical Engineering, NTUA |

**11:00 - 11:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic and Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>Design Laboratory</td>
<td>COFFEE BREAK</td>
</tr>
</tbody>
</table>

**11:30 - 12:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic and Speakers</th>
</tr>
</thead>
</table>
| 11:30 | Workshop A | Advanced Technologies for Green Ships/Green Ports  
Prof. Dr. Emmanuel Koukios, School of Chemical Engineering, National Technical University of Athens  
Determination of the Plastic Deformation and Residual Stress Tensor Distribution Using Surface and Bulk Intrinsic Magnetic Properties  
Polyxeni Vourna, Aphrodite Krena, E. Hristoforou  
PhD candidate, at the School of Mining and Metallurgy Engineering, NTUA, Associate Professor at the TEI of Sterea Ellada, Greece, Professor at the School of Mining and Metallurgy Engineering, NTUA |

**12:00 - 12:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic and Speakers</th>
</tr>
</thead>
</table>
| 12:00 | Workshop A | Advanced Technologies for Green Ships/Green Ports (continued)  
Prof. Dr. Emmanuel Koukios, School of Chemical Engineering, National Technical University of Athens  
An Electrical Pulsing Technique for Capacity Restoration of Lead Acid Batteries  
K. Assimakopoulos, N. Hadjigeorgiou, D. Kossyvakis, E. Hristoforou  
M.Sc. student in the School of Mechanical Engineering, NTUA, Athens, PhD student in the School of Electrical Engineering, NTUA, Athens, PhD student in the School of Mining Engineering and Metallurgy, NTUA, Professor at the School of Mining and Metallurgy Engineering, NTUA |

**12:30 - 13:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic and Speakers</th>
</tr>
</thead>
</table>
| 12:30 | Workshop A | Advanced Technologies for Green Ships/Green Ports (continued)  
Prof. Dr. Emmanuel Koukios, School of Chemical Engineering, National Technical University of Athens  
Experimental Investigation of Harmonic Distortion in Port Crane Systems  
C.S. Psamopoulos, S.D. Kaminaris, G.Ch. Ioannidis, A. Apergis, S. Zilakos, P. Pizanis, A. Gambletas  
Professor in the Department of Electrical Engineering, Piraeus University of Applied Science (Technological Education Institute of Piraeus), Athens, Greece, Electrical engineers employees in Piraeus Container Terminal S.A., Piraeus Greece |

**13:00 - 13:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic and Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00</td>
<td></td>
<td>End of Conference - Farewell Cocktail</td>
</tr>
</tbody>
</table>